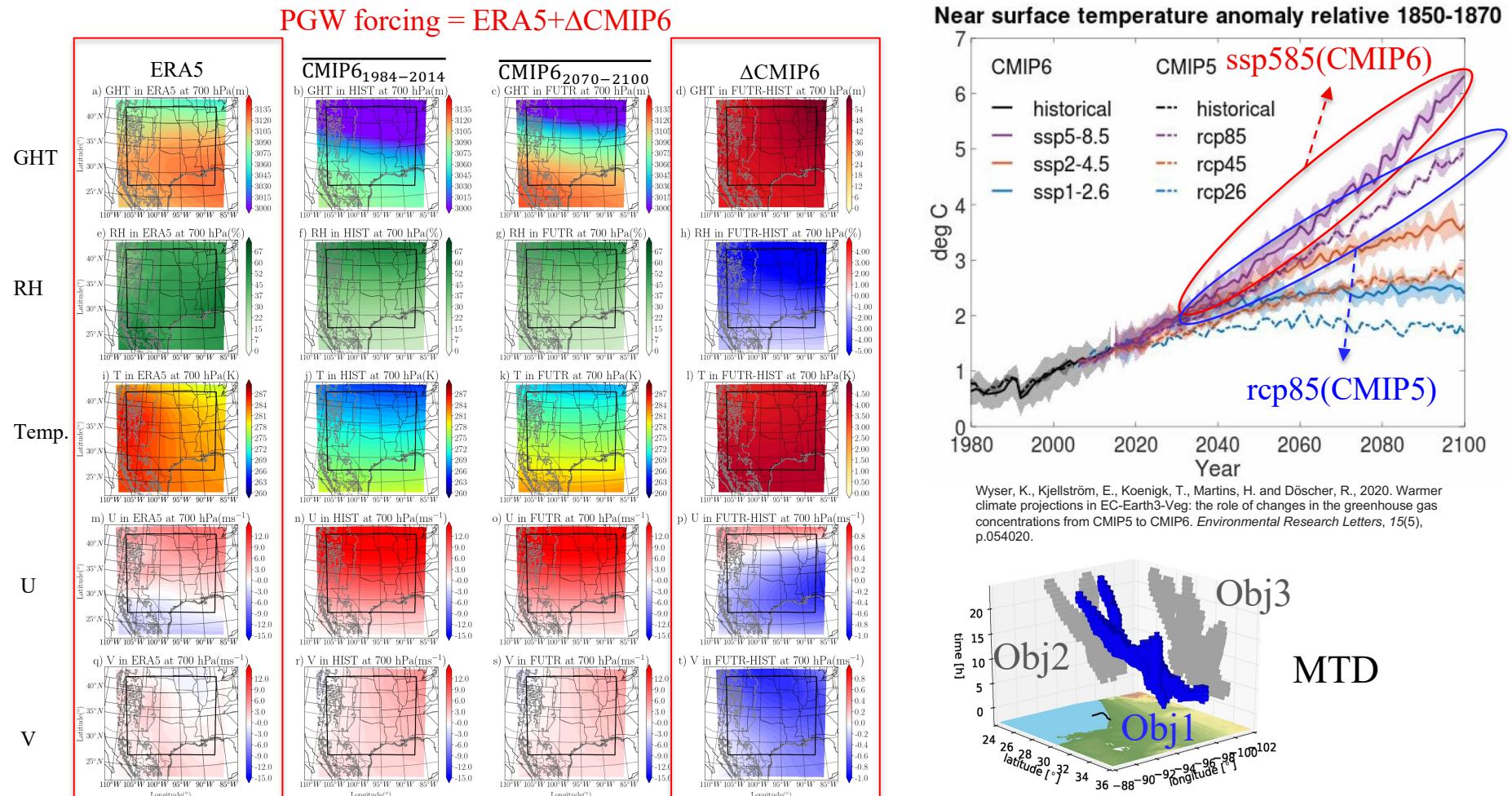


Features of MCSs in PGW projections using CMIP6 and ERA5

(yunsung.hwang@usask.ca)

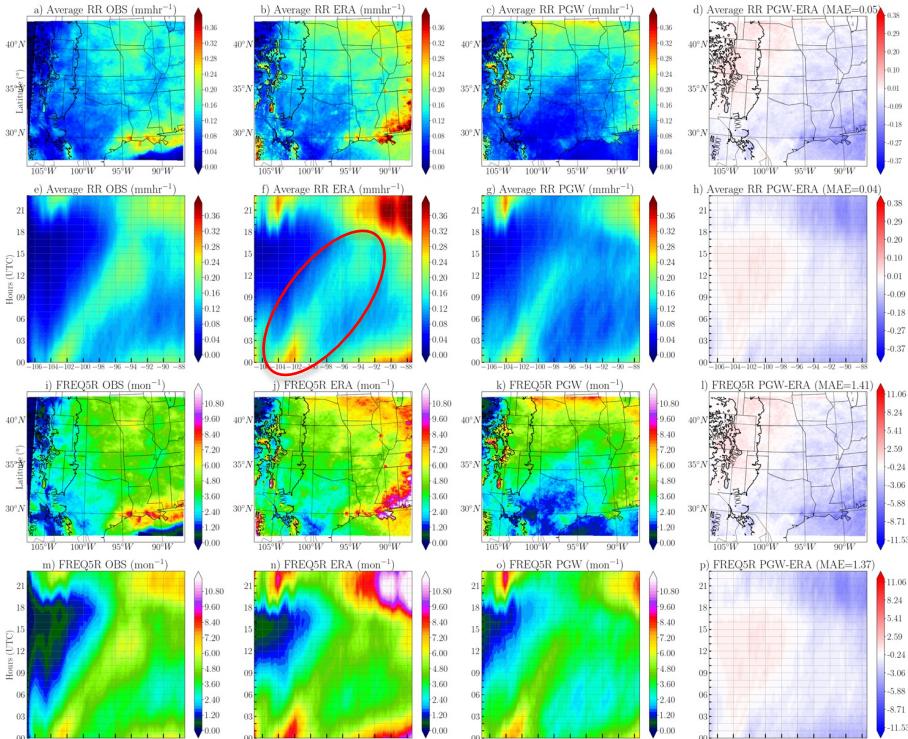


- Mesoscale Convective Systems (MCSs): continuous precipitation systems identified using MODE-Time Domain (MTD)
- Shared Socioeconomic Pathway (SSP585): High challenges to mitigation, low challenges to adaptation) in the Coupled Model Intercomparison Project Phase 6 (CMIP6)
- $\text{PGW forcing} = \text{ERA5} + \overline{\text{CMIP6}_{2070-2100}} - \overline{\text{CMIP6}_{1984-2014}}$

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Average rain rates (15 years)

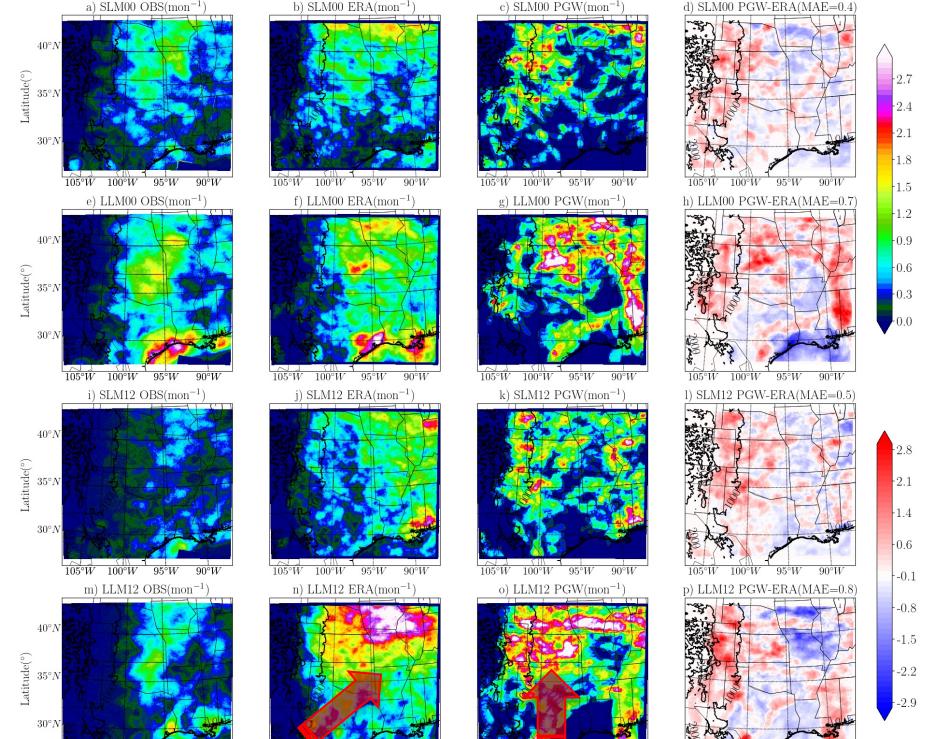


OBS

ERA5

PGW

MCSs (identified objects in 15 years)



OBS

ERA5

PGW

Features of MCSs in PGW projections using CMIP6 and ERA5

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PGW forcing over the Canadian Prairies

